Performance Data Sheet

AKA9462ZXA

General Information

Model	AKA9462ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	9100	6450	4740	3710	3080	2580	1930
	Watts	1080	1030	1010	1010	1010	994	950
	Amps	9.76	9.29	9.15	9.16	9.19	9.06	8.62
	Lb/h	191	132	96.8	78.7	70.1	63.4	51.1
5	Btu/h	9590	7090	5460	4440	3760	3140	2300
	Watts	1120	1080	1070	1080	1090	1090	1060
	Amps	10.1	9.69	9.61	9.71	9.81	9.77	9.43
	Lb/h	197	143	111	95.0	86.2	77.5	61.2
10	Btu/h	10200	7850	6290	5280	4530	3770	2730
	Watts	1160	1130	1130	1150	1170	1180	1160
	Amps	10.5	10.1	10.1	10.3	10.5	10.5	10.3
	Lb/h	205	156	128	114	104	93.5	73.0
15	Btu/h	11000	8720	7220	6190	5370	4460	3200
	Watts	1190	1180	1190	1220	1250	1270	1260
	Amps	10.9	10.6	10.7	10.9	11.2	11.3	11.2
	Lb/h	216	172	148	134	124	111	86.0
20	Btu/h	11800	9670	8220	7170	6250	5190	3710
	Watts	1220	1220	1240	1280	1320	1350	1350
	Amps	11.3	11.1	11.2	11.5	11.9	12.1	12.1
	Lb/h	229	191	169	156	146	129	99.7
25	Btu/h	12700	10700	9260	8180	7160	5930	4210
	Watts	1260	1260	1300	1350	1400	1440	1450
	Amps	11.6	11.5	11.7	12.1	12.6	12.9	13.0
	Lb/h	245	210	191	179	168	148	114
30	Btu/h	13700	11700	10300	9210	8070	6660	4690
	Watts	1290	1300	1350	1410	1470	1520	1540
	Amps	11.8	11.8	12.1	12.6	13.1	13.6	13.7
	Lb/h	261	231	215	203	190	167	128

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	9.734695E+04	4.289214E+03	4.391553E+01	2.455668E+03
C2	-6.529613E+02	-9.976737E+00	1.093186E-02	-2.218835E+01

C3	-2.176432E+03	-8.888500E+01	-9.538388E-01	-5.720518E+01
C4	5.025502E+00	-6.542823E-03	1.282346E-03	1.107631E-01
C5	1.463087E+01	2.246707E-01	7.311167E-05	4.388992E-01
C6	1.706852E+01	8.031786E-01	8.683824E-03	4.617530E-01
C7	-2.901677E-02	1.208627E-04	-4.562942E-05	-5.495635E-04
C8	-2.313868E-02	-4.196367E-04	4.750338E-06	-5.057531E-04
C9	-6.790019E-02	-6.954028E-06	6.743726E-06	-1.908481E-03
C10	-4.564741E-02	-2.418788E-03	-2.622347E-05	-1.255920E-03

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AKA9462ZXA

General Information

Model	AKA9462ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	11200	9970	8830	7740	6620	5410	4040
	Watts	1060	1150	1220	1260	1300	1320	1330
	Amps	9.25	10.2	10.9	11.3	11.7	11.8	12.0
	Lb/h	179	170	162	155	146	134	119
25	Btu/h	12400	11100	9950	8830	7690	6450	5070
	Watts	1100	1190	1260	1320	1360	1400	1420
	Amps	9.65	10.6	11.4	11.9	12.3	12.6	12.9
	Lb/h	200	192	185	179	172	163	150
30	Btu/h	13700	12400	11100	9940	8730	7430	5990
	Watts	1140	1230	1310	1380	1430	1480	1520
	Amps	10.0	11.0	11.8	12.4	12.9	13.3	13.8
	Lb/h	220	212	206	201	195	187	176
35	Btu/h	15200	13700	12400	11100	9770	8380	6840
	Watts	1170	1270	1360	1430	1500	1550	1610
	Amps	10.4	11.4	12.2	12.9	13.5	14.0	14.6
	Lb/h	242	234	228	222	217	210	199
40	Btu/h	16900	15200	13800	12300	10900	9330	7660
	Watts	1210	1310	1400	1490	1560	1630	1700
	Amps	10.8	11.8	12.6	13.3	14.0	14.7	15.4
	Lb/h	269	259	253	247	241	234	224
45	Btu/h	18800	17000	15300	13700	12000	10300	8470
	Watts	1250	1350	1450	1540	1620	1700	1780
	Amps	11.2	12.2	13.0	13.8	14.5	15.3	16.1
	Lb/h	303	292	284	277	270	263	252
50	Btu/h	20900	18900	17000	15200	13300	11400	9330
	Watts	1280	1390	1490	1590	1680	1770	1860
	Amps	11.6	12.5	13.4	14.2	15.0	15.9	16.9
	Lb/h	349	336	325	316	308	299	287

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.985619E+04	-8.918768E+02	-1.894406E+01	3.537688E+02
C2	1.124142E+01	9.124954E+00	2.492906E-01	7.994514E+00

C3	-4.854702E+02	4.079437E+01	6.060452E-01	-7.592094E+00
C4	5.277408E+00	1.303947E-01	-1.128237E-04	-2.121421E-01
C5	2.181940E+00	-2.092976E-01	-3.918690E-03	3.579714E-02
C6	3.368929E+00	-2.586905E-01	-4.146429E-03	6.096190E-02
C7	4.627592E-02	-1.002281E-03	1.026157E-05	4.002137E-03
C8	-7.741667E-02	-4.833333E-04	-1.283333E-05	-1.367000E-03
C9	3.482143E-03	1.910714E-03	2.839286E-05	2.671429E-04
C10	-1.083333E-02	4.444444E-04	8.333333E-06	-2.194444E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature